

James Gibbon

List of Publications by Year in descending order

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14
papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Chemical Control of the Dimensionality of the Octahedral Network of Solar Absorbers from the Cu ₃ AgBi ₅ Phase Space by Synthesis of 3D CuAgBi ₅ . Inorganic Chemistry, 2021, 60, 18154-18167. | 4.0 | 15 |
| 2 | (Invited) Band Line-up of High-k Oxides on GaN. ECS Transactions, 2020, 97, 67-81. | 0.5 | 2 |
| 3 | Defect limitations in Cu ₂ ZnSn(S, Se) ₄ solar cells utilizing an In ₂ S ₃ buffer layer. Journal of Applied Physics, 2020, 127, . | 2.5 | 15 |
| 4 | Properties of Transition Metal Dichalcogenides. , 2019, , 69-106. | | 3 |
| 5 | Band Alignments, Band Gap, Core Levels, and Valence Band States in Cu ₃ BiS ₃ for Photovoltaics. ACS Applied Materials & Interfaces, 2019, 11, 27033-27047. | 8.0 | 37 |
| 6 | Transition from electron accumulation to depletion at $\hat{1}^2$ -Ga ₂ O ₃ surfaces: The role of hydrogen and the charge neutrality level. APL Materials, 2019, 7, . | 5.1 | 62 |
| 7 | Low-temperature Wafer-scale Deposition of Continuous 2D SnS ₂ Films. Small, 2018, 14, e1800547. | 10.0 | 48 |
| 8 | Band alignments at Ga ₂ O ₃ heterojunction interfaces with Si and Ge. AIP Advances, 2018, 8, . | 1.3 | 16 |
| 9 | Band gap temperature-dependence and exciton-like state in copper antimony sulphide, CuSbS ₂ . APL Materials, 2018, 6, . | 5.1 | 14 |
| 10 | Schottky Diodes on ZnO Thin Films Grown by Plasma-Enhanced Atomic Layer Deposition. IEEE Transactions on Electron Devices, 2017, 64, 1225-1230. | 3.0 | 8 |
| 11 | Experimental band alignment of Ta ₂ O ₅ /GaN for MIS-HEMT applications. Microelectronic Engineering, 2017, 178, 178-181. | 2.4 | 8 |
| 12 | The role of nitrogen doping in ALD Ta ₂ O ₅ and its influence on multilevel cell switching in RRAM. Applied Physics Letters, 2017, 110, . | 3.3 | 54 |
| 13 | Enhanced switching stability in Ta ₂ O ₅ resistive RAM by fluorine doping. Applied Physics Letters, 2017, 111, . | 3.3 | 21 |
| 14 | Core Levels, Band Alignments, and Valence-Band States in CuSbS ₂ for Solar Cell Applications. ACS Applied Materials & Interfaces, 2017, 9, 41916-41926. | 8.0 | 67 |